We claim:

1.   A method of reducing facsimile transmission duration on a CDMA

cellular communications network comprising:

5   detecting at a first CDMA cellular terminal coupled to a first

analog fax machine, a first multi-byte message preamble that identifies

the first element of a sequence in a facsimile control message

transmission;

               sending from said first CDMA cellular terminal to a second

10   CDMA cellular terminal coupled to a second analog fax machine, a

preamble message indicator, said preamble message indicator signaling

to said second CDMA cellular network terminal the beginning of an

analog facsimile control message transmission;

               at the second CDMA cellular terminal, re-generating said first

15   multibyte message preamble to said second analog fax machine upon

the receipt of said preamble message indicator.

2.   The method of claim 1 further comprising the steps of:

               sending an analog facsimile control message from said first

20   CDMA cellular terminal to said second CDMA cellular terminal after

said reduced duration preamble indicator message is sent by said first

CDMA cellular terminal;

               at the second CDMA cellular terminal, sending said analog

facsimile control message to said second analog fax machine.

3. The method of claim 1 wherein the step of detecting said message preamble at said first CDMA cellular terminal includes collecting a pattern of bytes for the duration of only a portion of said multi-byte message preamble.

5   4. The method of claim 1 further including the step of: detecting at said first data terminal that data following said message preamble early detection interval is defective; and sending a first error message to said second data terminal upon detecting that said message preamble was corrupt, after which the remote terminal may cease to generate the message preamble signal and terminate the

10 preamble+message sequence.

5. The method of claim 1 further including the step of: detecting at said first data terminal that the message following said message preamble is defective; and sending a first error message to said second data terminal upon detecting that

15 said subsequent message was corrupt.

6. The method of claim 1 further including the step of: at the remote end, upon starting the preamble signal to the fax machine, detecting a communications error when the intended subsequent message was not received; and thereafter

20 terminating said preamble message at the remote data terminal.

7. The method of claim 1 wherein said step of: detecting a first mult-byte message is comprised of the steps of:

receiving at a wireless CDMA terminal, an ITU-T.30 control

message;

detecting, by said wireless CDMA terminal, a predetermined

data sequence of a facsimile transmission message preamble ITU-T.30

5   format.

8. The method of claim 3 wherein the number of bytes of said multi-byte

message preamble that are detected is variable.

10 9. The method of claim 1 further including the step of: at the second CDMA

network terminal, upon receipt of a preamble signal indicator, detecting a

communications error when the intended subsequent message was not

received; thereafter terminating the multi-byte message preamble re-generated

at the second CDMA cellular network.

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10. The method of claim 1 wherein said step of: detecting the beginning of a

facsimile transmission message preamble is comprised of the steps of:
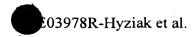
receiving at a wireless CDMA communications terminal, an

ITU-T.30 control message;

20   detecting by said CDMA communications terminal, a

predetermined data sequence of a facsimile transmission message

preamble in said ITU-T.30 control message.

11.   The method of claim 1 wherein said step of sending a reduced duration

preamble indicator (PMI) message is comprised of the step of:

5   upon the detection of a beginning facsimile transmission message in

said ITU-T.30 control message, sending to said distant second data

terminal, a reduced duration preamble message indicator (PMI)

indicating to said distant second data terminal the future receipt of a

facsimile transmission message in said ITU-T.30 message sequence.

12.   An apparatus for reducing facsimile transmission duration on a CDMA

communications network comprising:

        a first CDMA data terminal that detects a transmission message

5   preamble identifying the beginning of an ITU T.30-compliant facsimile

        transmission message from a first analog fax machine, and which

        thereafter sends to a distant second CDMA data terminal, a reduced

        duration preamble indicator (PMI) message that signals to a second

        data terminal the beginning of a T.30 facsimile transmission;

10   a second CDMA data terminal that is capable of detecting said

        reduced duration preamble indicator message and in response thereto,

        initiating a T.30 preamble transmission to a second analog fax

        machine.

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